




**Product:** [34490](#) 

Lead Wire, #1/0 Str TC, CSPE Ins, AWM 3193

 [Request Sample](#)

## Product Description

Low Temp Rubber Lead Wire, 1/0AWG (805x26) Tinned Copper, CSPE Insulation, AWM 3193 CSA TYPE CL1052 600V 105C

## Technical Specifications

### Product Overview

Suitable Applications:	Class 130(B) motor lead systems, internal wiring of appliances, oil resistance applications
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
1/0	262x24	TC - Tinned Copper	1

Conductor Count:	1
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#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness	Min. Average Wall Thickness
CSPE - Chlorosulphonated Polyethylene	0.607 in	0.091 in	0.08 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
0.1 Ohm/1000ft

#### Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	Single conductor in free air @ 30°C: 286 A

#### Voltage

UL Description	UL Voltage Rating
UL AWM 3193	600 V RMS
CSA CL1052	300 V RMS

### Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-30°C To +105°C

### Mechanical Characteristics

Recommended Max Baking Cycles:	24 Hours @ 300°F (149°C)
Bulk Cable Weight:	439 lbs/1000ft
Min. Bend Radius/Minor Axis:	2.43 in

### Standards

UL AWM Style Compliance:	UL AWM Style 3193
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CSA Rating:	300 V RMS, 105°C
CSA Type:	CL1052

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL voltage rating:	600 V RMS
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
34490 01050	Black	Reel	50 ft	612825144199
34490 010100	Black	Reel	100 ft	612825144175
34490 010250	Black	Reel	250 ft	612825144182

Footnote:	C - CRATE REEL PUT-UP., F - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 50'.
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Product Notes

Notes:	Separator material over conductor.
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History

Update and Revision:	Revision Number: 0.364 Revision Date: 07-12-2021
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